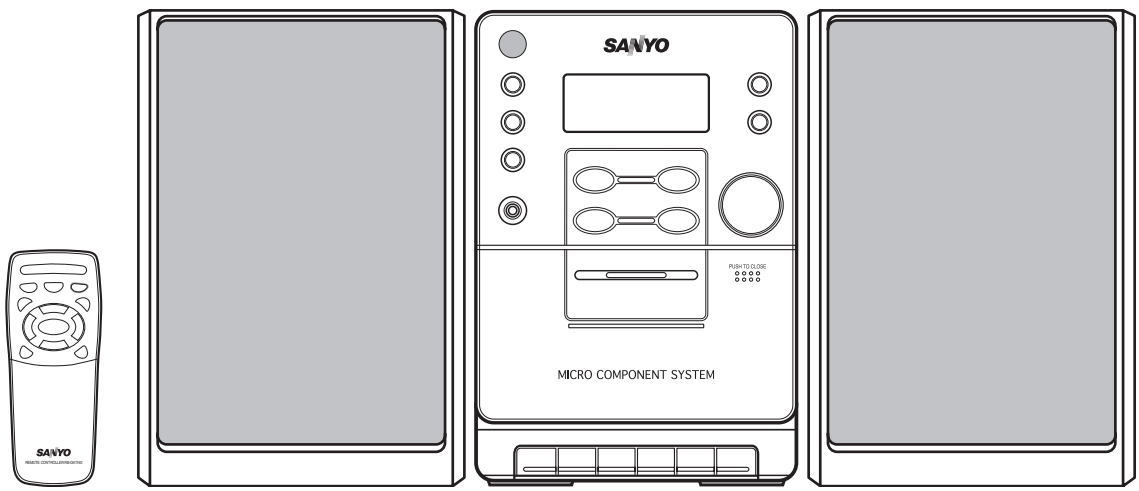
SANYO

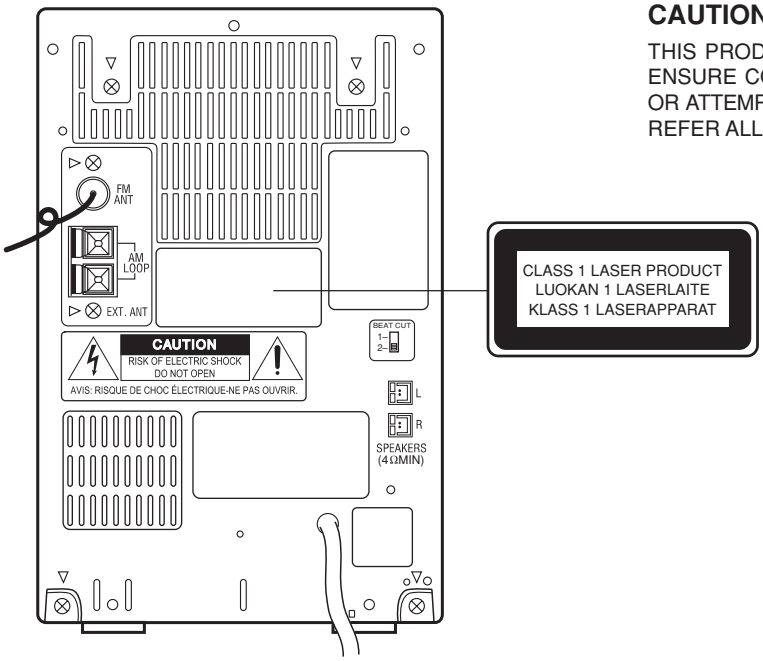
INSTRUCTION MANUAL

DC-DA1160

Micro Component System



PRECAUTIONS



CAUTION

THIS PRODUCT CONTAINS A LOW POWER LASER DEVICE. TO ENSURE CONTINUED SAFETY DO NOT REMOVE ANY COVERS OR ATTEMPT TO GAIN ACCESS TO THE INSIDE OF THE PRODUCT. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C), or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- Sudden changes in the ambient temperature may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.
- The system's speakers use powerful magnets. Do not place timepieces, credit cards, cassette tapes or video tapes, etc. near the speakers.
- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- No object filled with liquids, such as vase, shall be placed on the apparatus.

IMPORTANT

If the plug supplied with this equipment is not suitable for the socket outlets in your home it should be cut off and replaced with the correct type.

Disposal of Plug

If the non rewireable plug is to be cut off, the removed plug should be disposed of carefully as there is a shock hazard should the plug be inserted into a live socket.

Replacing Fuse

The detachable fuse cover must be replaced after changing the fuse. Only a 3A fuse should be used and should comply with BS1362 and should carry the ASTA mark ⟨ASTA⟩ .

The wires in the mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

The wires in the mains lead must be connected to the terminals in the plug as follows:

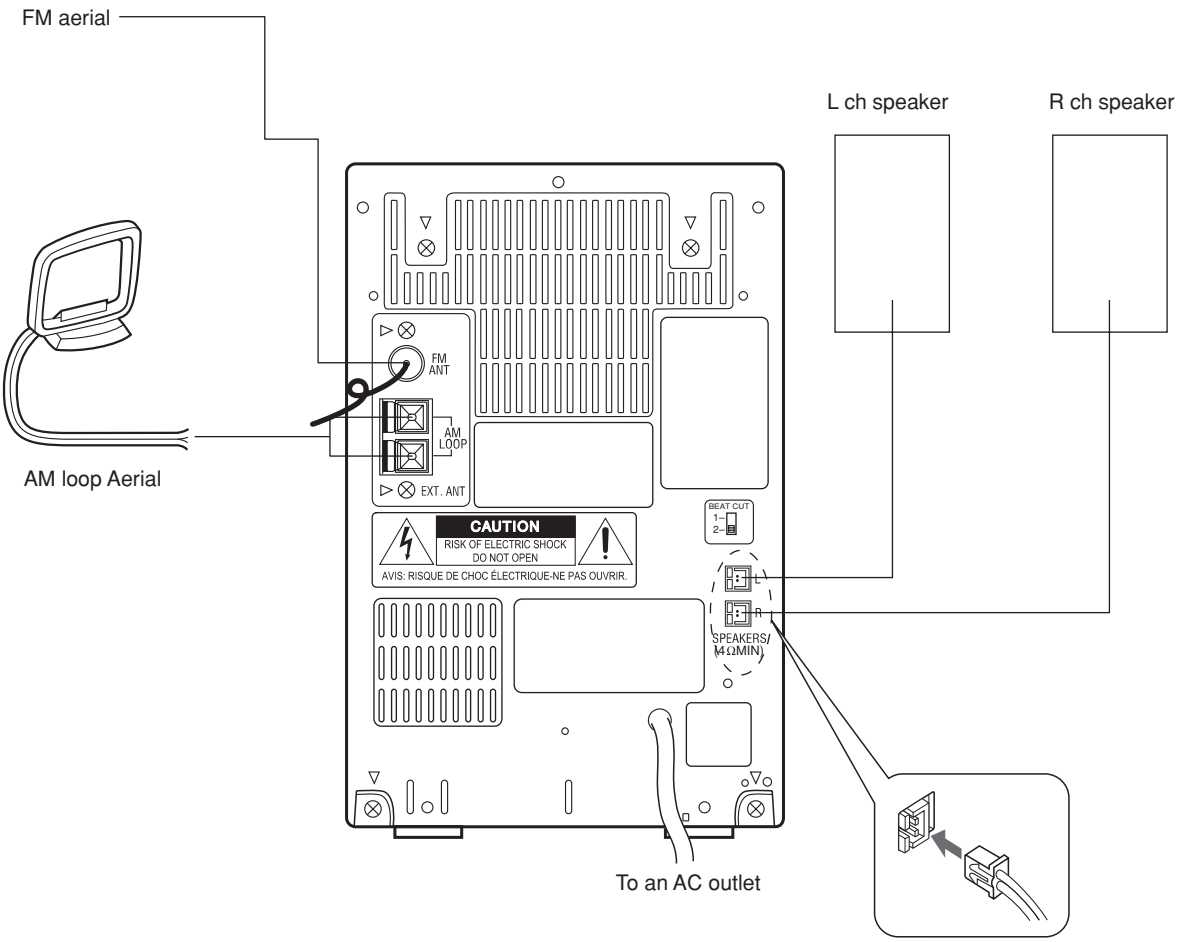
Wire colour	Plug terminal marking
Blue	N or Black or Blue
Brown	L or Red or Brown

Do not connect either wire to the earth terminal.

If the mains plug contains a fuse this should be 3A, if a plug without a fuse is used the distribution board fuse should not be greater than 5A.

The unit is not disconnected from the mains unless it is unplugged from the AC outlet.

CONNECTIONS



Note:
- Do not connect the mains lead to an AC outlet until all connections have been made.
- The system is not completely disconnected from the mains when the ⏻/ON button is set to the ⏻ position.

Speakers

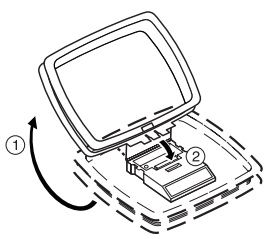
Connect the connector of the left speaker lead to the “L” SPEAKERS socket and the connector of the right speaker lead to the “R” socket.
If you have difficulty inserting the speaker lead connector, turn it over and reinsert it.

FM Aerial

FM indoor aerial is sufficient to receive broadcasts. Extend the aerial wire as straight as possible and, while listening to the sound from the system, secure it in a position which yields minimal distortion and noise.

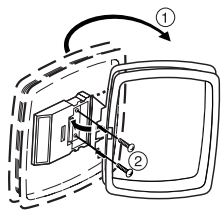
AM Loop Aerial

Assemble the loop aerial as shown in figure.



Unwind the aerial wires, then connect them to the AM LOOP terminals. Place the loop aerial in a position which yields the best AM reception, or attach it to a wall or other surface as shown in figure.

Note:
To minimize noise, the speaker, mains and any other leads should not come close to the indoor or external aerial lead and AM loop aerial. Do not place the aerial leads close to the system.

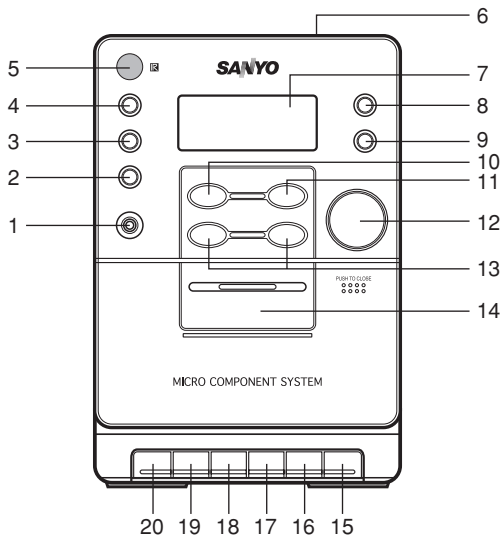


Screws (not supplied)

Headphones

Connect stereo headphones (not supplied) to the PHONES socket for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected.

CONTROLS



CD player/Tuner/Generals

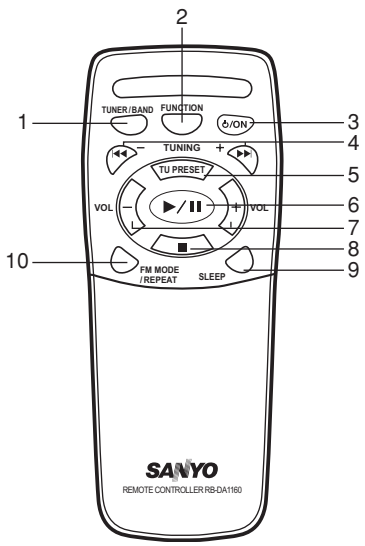
1. Headphones socket (PHONES)
2. Memory button (MEMORY)
3. Function button (FUNCTION)
4. Power button (⏻/ON)
5. Remote sensor (IR)
6. CD compartment lid
7. Display
8. Tuner function/Band select button (TUN/BAND)
9. Preset button (PRESET)
10. CD stop button (STOP/■)
11. CD play/pause button (►/❚❚)
12. Volume control button (– VOLUME +)
13. Skip/Search/Tuning buttons (I◄◄/TUN –, SKIP/SEARCH, TUN +,/►►I)

Cassette deck

14. Cassette holder
15. Pause button (PAUSE)
16. Stop/Eject button (STOP/EJECT)
17. Fast forward button (FFWD)
18. Rewind button (REW)
19. Play button (PLAY)
20. Record button (REC)

REMOTE CONTROL

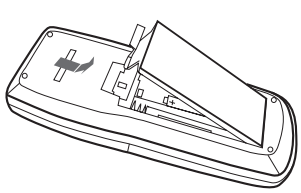
Controls



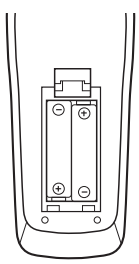
1. Tuner function/Band select button (TUNER/BAND)
2. Function button (FUNCTION)
3. Power button (⏻/ON)
4. Skip/Search/Tuning buttons (I◄◄/ – TUNING +/ ►►I)
5. Tuner preset button (TU PRESET)
6. CD Play/Pause button (►/❚❚)
7. Volume control buttons (VOL –, VOL+)
8. CD Stop button (■)
9. Sleep button (SLEEP)
10. FM mode/Repeat button (FM MODE/REPEAT)

Inserting batteries

1

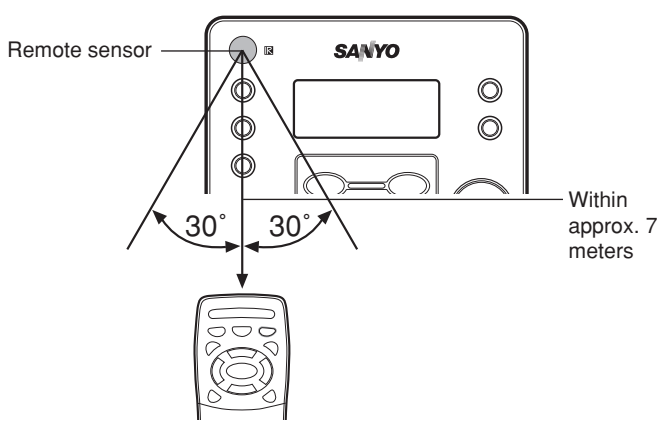


2



Two R03/AAA batteries (not supplied)

Remote control range



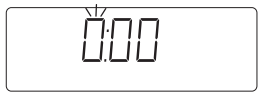
Note:
Always remove batteries if the remote control is not to be used for a month or more. Batteries left in the unit may leak and cause damage.

The buttons on the remote control perform similar functions to similarly marked buttons on the front panel.

ADJUSTING THE CLOCK (Main unit only)

Example: To set “6:30”,
First, press the FUNCTION button to select “cd” or “TUNE” function, then press the ⏻/ON button to turn the power off, only the clock display blinks.
Note: If current function is “TAPE”, timer setting can’t be operated when turn the power off.

1. Press the MEMORY button.
   The hours display blinks.



2. Press the I◄◄ or ►►I button to set the “hours”.

3. Press the MEMORY button.
   The minutes display blinks.

4. Press the I◄◄ or ►►I button to set the “minutes”.

5. Press the MEMORY button. The clock starts.

- If a power failure occurs or the mains lead is disconnected, the clock display blinks. Reset the time again.

BEFORE OPERATION

Turning the power on and off

Press the ⏻/ON button. The display lights.
To turn the power off, press the ⏻/ON button again, the clock display remains lit.

Selecting the function

Press the FUNCTION button to select the desired function. Each time the button is pressed, the display changes as follows:

cd ⟶ TUNE ⟶ TAPE ⟶ cd ⟶ . . .

- When the function selection is changed, CD play is automatically stopped.

Note: Avoid to press the FUNCTION button when the unit is in recording mode.

Adjusting the volume

Turn the VOLUME control, or press the VOL – or VOL + button on the remote control. The volume level appears on the display. (VOL 0 ~ VOL 36).

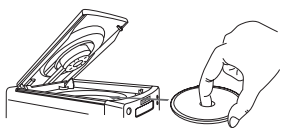
CD PLAY

Use compact discs bearing the symbol shown. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.

COMPACT disc DIGITAL AUDIO

- This unit can play back the CD-R/RW that have recorded music data as well. However, some CD-R/RWs cannot be played back depending on the recording conditions.
- The CD-R/RW cannot be recorded in this unit.

1. Press the FUNCTION button to select “cd” function.
2. Press the CD compartment lid (⏏ portion). The CD compartment opens.
3. Place the disc with the label facing up on the disc tray . (Place only one disc at a time.)
4. Press the CD compartment lid (⏏ portion) to close it. The total number of tracks and total playing time on the disc appear.



Note:
If the disc is loaded with the label facing downward, or if a badly scratched disc is loaded, “dISC” appears. If this occurs, load the disc correctly or replace the damaged disc.

5. Press the ►/II button. Play starts from the first track.
   The current track number and elapsed playing time are displayed.

6. Press the STOP/■ button (or ■ button on the remote control) to end disc play.
   When the last track has been played, the player stops automatically.

Note:
Always press the STOP/■ button (or ■ button on the remote control) and wait for the disc to stop rotating before opening the disc compartment.

Notes on handling compact discs

- Do not expose the disc to direct sunlight, high humidity or high temperatures for extended periods of time.
- Discs should be returned to their cases after use.
- Do not apply paper or write anything on the disc surface.
- Handle the disc by its edge. Do not touch the playing surface (glossy side).
- Fingerprints and dust should be carefully wiped off the playing surface of the disc with a soft cloth.
  Wipe in a straight motion from the centre to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs.

To start play from the desired track

Select the track by using the ►►I or I◄◄ button, then press the ►/II button.

Temporarily stopping play

Press the ►/II button. Current track number blinks on the display. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the ►►I button repeatedly until "6" appears (in the track section) on the display. To skip back to track 3 while track 6 is playing, press the I◄◄ button repeatedly until "3" appears.

Search (forward/reverse)

If the ►►I or I◄◄ button is pressed during play, the player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

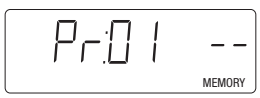
Repeat play (Remote control only)

Press the FM MODE/REPEAT button before or during play.
Press the button once, "REPEAT" blinks, repeat single track.
Press the button twice, "REPEAT" remains, repeat all the track or all the programmed track.
To cancel repeat play, press the button again, "REPEAT" disappears.

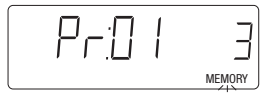
PROGRAMMED PLAY (USING THE MAIN UNIT)

Up to 16 tracks on a disc can be programmed for play in any order.
- First, select "cd" function and load a disc that you want to programme.
- The tracks must be programmed in the stop mode.
- The same track can be programmed more than once.

1. Press the MEMORY button on the main unit.



2. Select a track by using the ►►I or I◄◄ button.



- "MEMORY" keeps on blinking without stopping if you have any interruption after step 2.
3. Press the MEMORY button.
4. Repeat steps 2 - 3 to programme additional tracks.
5. Press the ►/II button to start programmed play.

   When all programmed tracks have been played, the player stops automatically.
- To cancel programmed play, press the STOP/■ button twice.
- The programmes will be released when changes to other functions, or after the disc compartment is opened, or after the power turned off.

Checking the programme

Each time the MEMORY button is pressed in the stop mode, the programmed details sequentially appear on the display.

Changing a programme

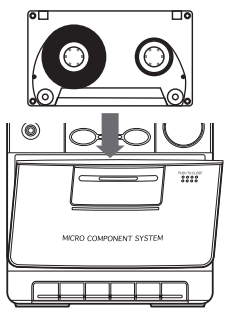
To add a new track to a programme:
1. In the stop mode, press the MEMORY button repeatedly until "- - " appears on the track number section.
2. Select a track by pressing ►►I or I◄◄ button.
3. Press the MEMORY button.

To change a track:
1. In the stop mode, press the MEMORY button repeatedly until the track number to be replaced is displayed.
2. Select a track by pressing ►►I or I◄◄ button.
3. Press the MEMORY button.

Note:
Programmed details cannot be partially deleted or inserted.

LISTENING TO TAPE

1. Press the FUNCTION button to select "TAPE".
2. Press the STOP/EJECT button to open the cassette holder.
3. Load the cassette.
   After loading the cassette, push the cassette holder (PUSH TO CLOSE portion) back into position.
4. Press the PLAY button to begin playback.
5. Press the STOP/EJECT button to stop playback at any time. Press it again to remove the cassette.
   When the end of the tape has been reached, automatic stop will be activated.



Note:
- Use the normal tape (TYPE 1).
- Endless tapes cannot be used.
- Do not use C-100 (or longer) tapes. They may jam in the mechanism.

Pause

Press the PAUSE button to temporarily stop playback or recording. Press it again to resume operation.

Fast forward and rewind

Press the FFWD or REW button. When the desired location has been reached, press the STOP/EJECT button.

LISTENING TO THE RADIO

Automatic/Manual tuning

1. Press the FUNCTION button to select "TUNE". The radio frequency appears.
2. Select the desired radio band with the TUN/BAND button.
3. **Automatic tuning**
   Press the TUN + or TUN – button for at least 1 second to tune in a station. The unit will scan up or down the band and receive the next receivable station. Press the button again to continue.
   - The ►►I or I◄◄ button on the remote control can also be used.

Manual tuning
Press the TUN + or TUN – button briefly until the desired frequency is displayed.

To preset stations

Up to 12 stations can be preset totally.

1. Tune in the stations to be preset as described above.
2. Press the MEMORY button on the main unit.

3. While "MEMORY" is blinking, press the PRESET button (or the TU PRESET button on the remote control) to select the channel to be preset.

4. While "MEMORY" is blinking, press the MEMORY button. "MEMORY" remains.
   - In this example, "103.25 MHz" FM station is preset on channel 9.
5. Repeat steps above to add more preset stations,
   - When presetting a new station, the previous preset station is cleared.

Note: "MEMORY" keeps on blinking without stopping or disappearing if you have any interruption in setting operation process, just waiting for your next setting operation step.

Listening to preset stations

Press the PRESET button (or TU PRESET button on the remote control) to select the desired channel number.

To receive FM stereo broadcasts (Using the remote control)

" ST " appears when an FM stereo broadcast is received in stereo mode.

- If the signal from an FM stereo station is weak and reception is poor, press the FM MODE/REPEAT button to change to the mono mode. The reception may be improved, but the sound will be monaural.
- After that, press either button on the main unit (MEMORY, STOP/■, PRESET, I◄◄, ►►I) or on the remote control (■, TU PRESET, I◄◄, ►►I), " ST " appears again, the main unit turn into stereo mode again.

RECORDING

Recording copyright material without permission of the copyright owners is usually an infringement. If you wish to re-record copyright material, permission from the copyright owner is necessary. SANYO does not approve of, and cannot be held responsible for, any unlawful use of this machine.

Recording compact discs

1. Load a blank cassette.
2. Select "cd" function.
3. Load the disc to be recorded and press the ►/II button to begin CD play.
   - Select the track number if required.
   - For programmed recording, programme the material in advance (as described under "PROGRAMMED PLAY").
4. Press the REC button. The PLAY button is engaged simultaneously and CD recording starts.
5. Press the STOP/EJECT button to stop recording.
   When the end of the tape is reached, the cassette deck stop automatically.

- The CD player and the cassette deck can't run synchronous recording, or stop at the same time automatically also.

Recording from the tuner

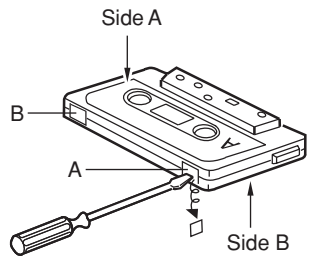
1. Load a blank cassette.
2. Tune in the radio station to be recorded.
3. Press the REC button to start recording.
4. Press the STOP/EJECT button to stop recording.

When beat is heard (Main unit only)

Beat (a high-pitched noise) may sometimes be heard during the recording of radio broadcasts. If this occurs, set the BEAT CUT switch (rear of the unit) to location "1" or "2" to select the setting that gives the best result.

Safeguards against accidental erasure

Accidental erasure can be prevented by breaking out the tabs on the end of the cassette tape (where the tape is not exposed) using a screwdriver or similar implement.
If a tab is broken out in error and you wish to re-record the tape, simply block the tab hole using adhesive tape and the tape can be used for recording again.



Break out tab **A** for side A.
Break out tab **B** for side B.

SLEEPING TIMER OPERATION (REMOTE CONTROL ONLY)

The sleep timer automatically switches off the power after a preset time has elapsed. There are 9 time periods available: 10, 20, 30, 40, 50, 60, 70, 80, and 90 minutes. Press the SLEEP button repeatedly to select a time period.

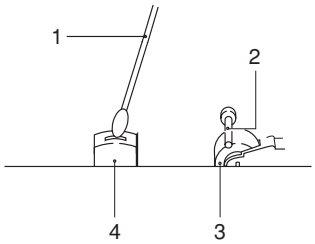
Example: Select the sleep time of 60 minutes.
Press the SLEEP button to choose sleep time of 60 minutes, "SLEEP" and "SLP 60" appear, after several seconds it will return to the original display and "SLEEP" remains display till power off.

- To release the sleep timer, press the SLEEP button repeatedly to select "SLP 00", the "SLEEP" logo disappears.
- The sleep timer will clear automatically when power off.

MAINTENANCE

Cleaning the tape heads

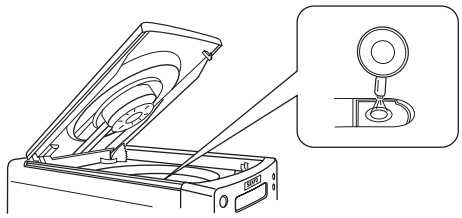
To ensure continued high performance, use cotton swab to clean the heads, pinch rollers and capstans of the decks after about every 10 hours of use. If the dirt persists, soak the swab in a little methylated spirit or head cleaning fluid and then clean.



1. Cotton swab
2. Capstan
3. Pinch roller
4. Head

Cleaning the CD player lens

The lens should never be touched. If dust is on the lens, blow it off using a camera lens blower. (Consult your dealer.)



Cleaning the unit

Clean the outside of the unit with a clean soft cloth, moistened with lukewarm water. Do not use benzene, thinner or alcohol since they will mar the finish of the surfaces.

SPECIFICATIONS

Tuner
Reception frequency:
FM: 87.5 ~ 108 MHz
AM: 522 ~ 1611 kHz

CD player
Channels:
2-channel stereo
Sampling frequency:
44.1 kHz
Pick-up:
Optical 3-beam semiconductor laser
Laser output:
0.6 mW (Continuous wave max.)
Wave length:
790 nm
Wow/flutter:
Below measurable limits

Cassette deck
Track system:
4-track, 2-channel stereo
Frequency response:
80 Hz to 15 kHz
Signal-to-noise ratio:
40 dB
Wow/flutter:
0.15% (WRMS)
Fast forward/rewind time:
Approx. 110 sec. (C-60)

General
Output power:
4 W x 2 (at 4 ohms, 10% distortion)
Outputs
SPEAKERS: 4 ohms
PHONES: 8 ~ 32 ohms
Power requirements:
AC 230 V, 50 Hz
Power consumption:
21 W
Dimensions:
140(W) x 213(H) x 222(D) mm
Weight:
2.1 kg

Speaker systems
Type:
Full range bass reflex
Unit used:
10 cm cone type
Maximum power-handling capacity:
6 W (peak)
Nominal impedance:
4 ohms
Dimensions:
140(W) x 210(H) x 167(D) mm
Weight:
1.0 kg (per speaker)

Specifications subject to change without notice.

GUARANTEE TO CUSTOMER

Sanyo Europe Ltd. (the Company) guarantees to the initial retail purchaser that if this equipment is or becomes defective and that, in the opinion of the Company, the defect is due to faulty material or workmanship the Company will, for a period of 12 calendar months from the date of sale to the original purchaser repair or replace, at its sole option, free of charge, any such defective component part of the equipment, always provided that: -

1. The equipment has at all times been used in accordance with the operating instructions issued by the Company, and has not been connected to an electrical mains supply for which it has not been adjusted.
2. Accidental damage, or damage caused by negligence or misuse by the user, including leakage from exhausted batteries, is specifically excluded.
3. Unauthorised repairs, or any modification to the equipment which has not been expressly approved by the Company, shall render this guarantee null and void.
4. Failure due to fair wear and tear of any item, such as batteries, record playing styli, and tape recording, playback and erase heads is specifically excluded.

This guarantee is not transferable and is only applicable within the United Kingdom (and the Republic of Ireland). Nothing in this express guarantee affects the statutory rights available to the purchaser of this equipment.
Note: This guarantee supersedes any other form of guarantee that may inadvertently have been enclosed with or attached to the product. (August 1978).

Dear Customer

Thank you for buying Sanyo. This equipment should give you many years of pleasure and faithful service but in the event that a fault occurs, the following notes for your guidance may be helpful:-

1. PLEASE RETAIN YOUR PURCHASE RECEIPT WHICH WILL BE REQUIRED FOR SERVICE DURING GUARANTEE.
2. If your Sanyo equipment proves faulty during the period of guarantee, take it or send it back to the dealer who originally supplied it together with this guarantee and the proof of purchase. We have made arrangements with our approved dealers under which they will carry out in-guarantee service repairs on our behalf. In this way, we hope to reduce to a minimum the amount of time you will be without your equipment.
3. If for some reason it is impossible to return the equipment to the original supplies, please contact our Consumer Relations Department at the address below for further advice.
4. Should the equipment require servicing after the expiry of the guarantee period, take or send it to the original supplier or any other Sanyo dealer. He will be pleased to give you a quotation for the repair. If you are in any doubt about what to do, write to us at the address below or telephone:

Consumer Relations Department,
Sanyo Europe Ltd.,
18 Colonial Way,Watford
WD24 4PT
Tel: Watford 246363

R6

(UK) 1AD6P1P1988-LA

SANYO

SANYO Electric Co., Ltd.